On page 18, line 5, after the sequence ending "GAG", insert --(SEQ ID NO: 9)--;

On page 18, line 6, after the sequence ending "ACG", insert --(SEQ ID NO: 10)--;

On page 22, line 13, after the sequence ending "TAT", insert --(SEQ ID NO: 11)--;

On page 22, line 14, after the sequence ending "CCA", insert --(SEQ ID NO: 12)--;

On page 22, line 19, after the sequence ending "TAG", insert --(SEQ ID NO: 13)--;

On page 22, line 20, after the sequence ending "TGC", insert --(SEQ ID NO: 14)--;

IN THE SEQUENCE LISTING:

Please enter the attached 11 pages of printed Sequence Listing as new pages 1-11 and remove the original attached Sequence Listing pages 1-12.

IN THE CLAIMS

Please enter the following amendments to the claims.

SUB B3

A1

1. (Once amended) A method of determining whether a member of a pool of test transcription factor polynucleotides encodes a pathway transcription factor, the method comprising introducing into a cell a nucleic acid comprising a promoter of a pathway gene operably linked to a reporter gene and a pool of nucleic acid members comprising test transcription factor polynucleotides and detecting expression from said in the cell, thereby determining whether a member of the test transcription factor polynucleotide pool encodes a pathway transcription factor.

sub C3

A2

13. (Once amended) The method of claim 1, wherein said promoter operably linked to a reporter gene is transiently transfected into a cell.

14. (Once amended) The method of claim 1, wherein said reporter gene is beta-glucoronidase (GUS).

15. (Reiterated) The method of claim 1, wherein said promoter is the promoter of a biosynthetic pathway gene of a plant that produces high-value metabolites.

Please CANCEL claims 19-25 and 27-32 without prejudice.

SUB B7 A3

33. (Once amended) A method of determining whether two or more members of a pool of test transcription factor polynucleotides are required for expression from a pathway gene promoter, the method comprising introducing into a cell a nucleic acid comprising a promoter of a pathway gene operably linked to a reporter gene and a pool of nucleic acid members comprising test transcription factor polynucleotides and detecting expression from said biosynthetic pathway gene promoter in the cell, thereby determining whether two or more members of the test transcription factor polynucleotide pool are required for expression from said promoter.

A4

46. (Once amended) The method of claim 33, wherein said promoter operably linked to a reporter gene is transiently transfected into a cell.

47. (Once amended) The method of claim 46, wherein said reporter gene is beta-glucoronidase (GUS).

48. (Reiterated) The method of claim 33, wherein said promoter is the promoter of a biosynthetic pathway gene of a plant that produces high-value metabolites.

REMARKS

Reconsideration is respectfully requested. Claims 1, 13, 14, 33, 46 and 48 have been amended. These amendments merely made explicit what was implicit in the claims and were not made for a substantial reason related to patentability. Claims 19-25 and 27-32 have been canceled without prejudice. Applicants respectfully reserve their right to file one or more continuation or divisional applications to the canceled subject matter. After entry of this amendment, claims 1-18, 26, and 33-50 will be pending.